

CONVERSION TABLE

THE CONVERSION CONSTANTS ARE SHOWN TO FOUR SIGNIFICANT FIGURES, BUT THE ANSWER,
IN PRACTICE, IS GENERALLY ROUNDED OFF TO THREE SIGNIFICANT FIGURES.

UNITS	ENGLISH		METRIC	
	THIS	TIMES THIS	GIVES YOU THIS	TIMES THIS
1 in. (inch)				= 2.54 cm (centimeters)
1 ft. (foot)				= 0.3048 m (meters)
1 mi ² (square mile)				= 2.59 km ² (square kilometers)
1 acre				= 0.405 ha (hectares)
1 ac-ft (acre-foot)				= 0.1234 ha-m (hectare-meters)
1 gal (gallon)				= 3.785 l (liters)
1 gpm (gallon per minute)				= 0.06308 l/s (liters per second)
1 gpm/ft (gallon per minute per foot)				= 0.207 l/s/m (liters per second per meter)
1 ft ³ /s (cubic foot per second)				= 0.0283 m ³ /s (cubic meters per second)
1 ft ³ /s/mi (cubic foot per second per mile)				= 0.0176 m ³ /s/km (cubic meters per second per kilometer)
centimeters (cm)	0.3937		inches	
hectares (ha)	2.471		acres	
liters (l)	0.2642		U. S. gallons	
kilograms	2.205		pounds	
cubic feet	7.480		U. S. gallons	
imperial gallons	1.200		U. S. gallons	
cfs days	1.983	AF	0.2447	hectare-meters (ha-m)
cfs days	0.03719	inches depth on 1 square mile	0.2447	centimeter depth on 1 square kilometer
cfs hours	0.08264	AF	0.0102	hectare-meters (ha-m)
cfs hours	0.001550	inches depth on 1 square mile	0.0102	centimeter depth on 1 square kilometer
cfs	1.983	AF per day	0.2447	hectare-meters per day (ha-m per day)
cfs	724.0	AF per year (365 days)	89.3	hectare-meter per year (365 days)
cfs	448.8	U. S. gallons per minute	1.6987	cubic meter per minute
cfs	0.6463	million U. S. gallons per day	2446.13	cubic meter per day
csm	0.03719	inches depth per day	0.0945	centimeters depth per day
csm	13.57	inches depth per year (365 days)	34.49	centimeters depth per year (365 days)
inches per hour	645.3	csm	7.05	cubic meter per sec per square kilometer (m ³ /sec/km ²)
inches per hour	1.008	cfs per acre	.0705	cubic meter per sec per hectare (m ³ /sec/ha)
inches depth	53.33	AF per square mile	2.54	hectare-meters per square kilometer (ha-m/km ²)
AF	0.5042	cfs days	0.01428	cubic meter per sec-days (m ³ /sec-day)
AF	12.10	cfs hours	0.3427	cubic meter per sec-hour (m ³ /sec-hour)
AF	0.01875	inches depth on one sq. mi.	0.1234	centimeter depth on one sq. kilometer
AF	0.3258	million U. S. gallons	1233.48	cubic meter (m ³)
AF per day	0.5042	cfs	0.01428	cubic meter per sec (m ³ /sec)
U. S. gallons per minute	0.002228	cfs	0.06308	liter per sec
million U.S. gallons per day	1.547	cfs	43.808	liter per sec
million U.S. gallons	3.069	AF	0.3788	hectare-meters (ha-m)
feet per second	0.6818	miles per hour	1.0973	kilometer per hour